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CORPS HELICOPTER ATTACK PLANNING SYSTEM (CHAPS)

TRAINING COURSE / CURRICULUM OUTLINE

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Prepared For:

Department of the Army Joint Tactical Fusion Program 1500 Planning Research Drive McLean, VA 22102-5099

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Prepared By:

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Approved for public release; Distribution Unlimited Approved By:

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i ·					
This document was developed as Helicopter Attack Planning Syst	tem (CHAPS). Th	ere are five	manuals for	r CHAPS.	CHAPS Was
developed by Systems Control To	echnology, Inc.	Palo Alto, C	A for the J	oint Tacti	cal Fusion
Program Management Office (JTFI Planing System (FLAPS) and was	extensively mod	a derivative lified to inc	or USAFE'S Orporate US	Army atta	el Automated ck
helicopters. The CHAPS program consists of two major stand-alone software programs: the					
SUPR program which defines a 3-D real-world statespace area where the helicopters would operate; and CHAPS which provides survivability estimates for attacking helicopters given a					
Ispecific battlefield scenario and real-world threat. This manual compliments the CHAPS					
Student Training Course Guide and Positional Handbook that are used with the JTFPMO's Portable Analyst Workstation (PAWS) and is intended to help the instructor/students to plan					
la CHAPS training course and to make arrangements to properly conduct a training class.					
Individual to be trained should be helicopter mission planners or those individuals					
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83 APR edition may be used until exhausted. All other editions are obsolete.

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FORWARD

This Training/Curriculum Outline is intended to help the instructor and sponsors of the CORPS Helicopter Attack Planning System (CHAPS) Training Course to plan the course and make sufficient arrangements to properly conduct the class. The CHAPS program is a mission planning system, which is designed to aid with planning helicopter attack planning.

COURSE DATA

Course Objective

The individuals to be trained should be helicopter mission planners, or those interested in helicopter mission planning. Normally, these individuals will be army corpsmen who will be using the program in the field.

Physical Requirements

There are no special physical requirements to operate the program.

Security Clearance

The program software is unclassified, however in the field, it operates on databases classified to the NATO SECRET level.

Prerequisite Training

No special prerequisite training is required.

Instructional Materials

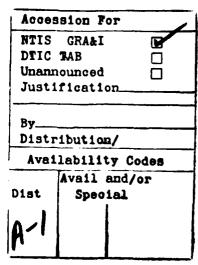
To conduct this course the following materials are required:

- 1 set of Instructor/Lesson Guides,
- 1 set of accompanying 35mm slides,
- 1 set of overhead viewgraphs,
- 1 Student's Training Course Guide for each student,
- 1 PAWS hardware suite for each 3 students, equipped with CHAPS and an unclassified demonstration scenario,
- 1 Positional Handbook for each PAWS suite,
- 1 Overhead Viewgraph projector, and
- 1 35mm slide projector.

Also, a blackboard or other means of drawing figures visible to students during classroom instruction is recommended.

OUTLINE OF INSTRUCTION SUMMARY

<u>Unit</u>		Classroom	Application	<u>Total</u>
I	INTRODUCTION TO CHAPS	1	2	3
11	GETTING STARTED IN CHAPS	1	1	2
III	USING THE DATABASE MANAGER	.75	1.25	2
IV	THE CHAPS DISPLAY	.75	1.25	2
٧	CREATING MINIMUM RISK ROUTES	5 .5	.5	1
VI	MODIFYING ROUTES WITH CHAPS	5 .5	1.5	2
VII	OBSERVING MULTIPLE ROUTE COORDINATION	.5	.5	1
VIII	SUPRESSING THREATS AND MODIFYING ROUTES	1	1	2
IX	STATESPACE GENERATION	.5	.5	1
	TO	 TAL 6.5	9.5	16
		Hours	Perce <u>Total</u>	
	Cla	ssroom 6.5	41%	DTIC
	Practical App	plication 9.5	59% ———	INSPECTE:
	TO	TAL 16	100%	



			Classroom	Application	<u>Total</u>
1.	INTRODUCTION TO CHAPS		1		3
	A.	Overview			
	B.	CHAPS Functions			
	C.	Summary			
	D.	Application		2	
II.	GETT	ING STARTED IN CHAPS	1		2
	A.	Overview		•	
	B.	Hardware Suite & Logon Proced	ures		
	C.	Popup Menu Operation			
	D.	Text Menu Operation			
	E.	Summary			
	F.	Application		1	
III.	USING	G THE DATABASE MANAGER	.75		2
	A.	Overview			
	B.	Database Structure			
	C.	Database Functions			
	D.	Report Generator			
	E.	Summary			
	F.	Application		1.25	

			Classroom	Application	<u>Total</u>
IV.	THE CHAPS DISPLAY		.75		2
	A.	Overview			
	В.	Graphics Displays			
	C.	Map Displays			
	D.	Summary			
	E.	Application		1.25	
V.	CREA	TING MINIMUM RISK ROUTES WITH CHAPS	.5		1
	A.	Overview			
	B.	Tasking Input			
	C.	Creating Routes			
	D.	Outputting Routes			
	E.	Summary			
	F.	Application		.5	
VI.	MODI	FYING ROUTES WITH CHAPS	.5		2
	A.	Overview			
	B.	Getting In to Manual			
	C.	Manual Functions			
	D.	Summary			
	E.	Application		1.5	

			Classroom	Application	<u>Total</u>
VII.	OBSE	ERVING MULTIPLE ROUTE COORDINATION	.5		1
	A.	Overview			
	B.	Getting In to Time Phase			
	C.	Time Phase Functions			
	D.	Summary			
	E.	Application		.5	
VIII.	SUPF	RESSING THREATS AND MODIFYING ROUTES	1		1
	A.	Overview			
	B.	Supressing Individual Threats			
	C.	Rerouting after Supression	•		
	D.	Summary			
	E.	Application		1	
IX	CREA	ATING AND UPDATING A STATESPACE	.5		.5
	A.	Overview			
	B.	Input Threat Data			
	C.	Threat Processing			
	D.	Statespace Purging			
	E.	Summary			
	F.	Application		.5	

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